

1106-VM-366

Ronan J Conlon*, rconlon@cirget.ca, and **Hans-Joachim Hein**. *An affine Calabi-Yau manifold with irregular tangent cone at infinity.*

An asymptotically conical (AC) Calabi-Yau manifold is a non-compact Ricci-flat Kahler manifold modelled on a Ricci-flat Kahler cone at infinity. I will present a new example of an AC Calabi-Yau manifold with asymptotic model an irregular Ricci-flat Kahler cone. This example in particular provides the first example of an affine Ricci-flat Kahler manifold of Euclidean volume growth with irregular tangent cone at infinity. This is joint work with Hans-Joachim Hein (UMD). (Received August 25, 2014)